

In the claims:

1. – 19. (Cancelled)

20. (Previously Presented) A solid three-dimensional composition, comprising multiple layers of cement deposited in contact with one another, each of said multiple layers of cement comprising a particulate composition including inorganic phosphate particulates, said particulate composition being hydrated and hardened by use of an ink-jettable aqueous liquid, wherein the composition has surface pores, said surface pores being no larger than about 10 microns.

21. (Original) A composition as in claim 20, wherein the particulate composition further includes polymeric particulates selected from the group consisting of 75% to 100% hydrolyzed polyvinyl alcohol powder, polyacrylamide powder, poly(acrylic acid), poly(acrylamide-co-acrylic acid), poly(vinyl alcohol-co-ethylene), poly(vinyl alcohol-co-vinyl acetate-co-itaconic acid), poly(vinyl pyrrolidone), poly(methylmethacrylate-co-methacrylic acid), soluble starch, methylcellulose, and combinations thereof.

22. (Original) A composition as in claim 20, wherein the aqueous liquid includes a low molecular weight polymer solvated or dispersed therein.

23. (Original) A composition as in claim 20, wherein the hydrated particulate composition includes hydroxyapatite.

24. (Canceled)

25. (Original) A composition as in claim 20, wherein upon drying, the composition substantially retains its size and form.